RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	101764,730
Source:	TFUID
Date Processed by STIC:	10/20/04
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ENTERED



IFWO

RAW SEQUENCE LISTING DATE: 10/20/2004
PATENT APPLICATION: US/10/764,730 TIME: 16:45:49

Input Set : A:\Seqlist.txt

4 <110> APPLICANT: Mueller-Hermelink, Hans Konrad

```
Vollmers, Heinz Peter
         Hensel, Frank
 6
   <120> TITLE OF INVENTION: Neoplasm-Specific Polypeptides and Their
 8
 9
         Uses
11 <130> FILE REFERENCE: 50308/009002
13 <140> CURRENT APPLICATION NUMBER: 10/764,730
14 <141> CURRENT FILING DATE: 2004-01-26
16 <150> PRIOR APPLICATION NUMBER: PCT/DE02/02699
17 <151> PRIOR FILING DATE: 2002-07-23
19 <150> PRIOR APPLICATION NUMBER: DE 10210425.5
20 <151> PRIOR FILING DATE: 2002-03-09
22 <150> PRIOR APPLICATION NUMBER: DE 10136009.6
23 <151> PRIOR FILING DATE: 2001-07-24
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27 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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30 <211> LENGTH: 288
31 <212> TYPE: DNA
32 <213> ORGANISM: Mus musculus
34 <220> FEATURE:
35 <221> NAME/KEY: CDS
36 <222> LOCATION: (1)...(288)
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40 Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Tyr Ile Asn Trp
41
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43 gtg aag cag agg act gga cag ggc ctt gag tgg att gga gag att tat
44 Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile Gly Glu Ile Tyr
45
                20
                                     25
                                                                       144
47 cct gga agt ggt aat act tac tac aat gag aag ttc aag ggc aag gcc
48 Pro Gly Ser Gly Asn Thr Tyr Tyr Asn Glu Lys Phe Lys Gly Lys Ala
                                40
51 aca ctg act gca gac aaa tcc tcc agc aca gcc tac atg cag ctc agc
                                                                       192
52 Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser
                            55
                                                 60
                                                                       240
55 age etg aca tet gag gae tet gea gte tat tte tgt gea aga teg gga
56 Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg Ser Gly
57
   65
                        70
59 tta cga ccc tat gct atg gac tac tgg ggt caa gga acc tca gtc acc
                                                                       288
60 Leu Arg Pro Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
61
65 <210> SEQ ID NO: 2
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Input Set : A:\Seqlist.txt

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66 <211> LENGTH: 96
67 <212> TYPE: PRT
68 <213> ORGANISM: Mus musculus
70 <400> SEQUENCE: 2
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73 Val Lys Gln Arg Thr Gly Gln Gly Leu Glu Trp Ile Gly Glu Ile Tyr
74
75 Pro Gly Ser Gly Asn Thr Tyr Tyr Asn Glu Lys Phe Lys Gly Lys Ala
76
           35
                               40
77 Thr Leu Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr Met Gln Leu Ser
79 Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe Cys Ala Arg Ser Gly
                       70
                                            75
81 Leu Arg Pro Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
82
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86 <211> LENGTH: 315
87 <212> TYPE: DNA
88 <213> ORGANISM: Mus musculus
90 <220> FEATURE:
91 <221> NAME/KEY: CDS
92 <222> LOCATION: (1)...(315)
94 <400> SEQUENCE: 3
95 cca etc tec etg eet gte agt ett gga gat eaa gee tee ate tet tge
                                                                      48
96 Pro Leu Ser Leu Pro Val Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys
97 1
                                         10
99 aga tot agt cag agc att gta cat agt aat gga aac acc tat tta gaa
                                                                      96
100 Arg Ser Ser Gln Ser Ile Val His Ser Asn Gly Asn Thr Tyr Leu Glu
                                                          30
                                     25
101
                 20
103 tgg tac ctg cag aaa cca ggc cag tct cca aag ctc ctg atc tac aaa
                                                                        144
104 Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys
105
107 gtt tcc aac cga ttt tct ggg gtc cca gac agg ttc agt ggc agt gga
                                                                        192
108 Val Ser Asn Arg Phe Ser Gly Val Pro Asp Arg Phe Ser Gly Ser Gly
         50
                             55
                                                  60
111 tea ggg aca gat tte aca ete aag ate age aga gtg gag get gag gat
                                                                        240
112 Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala Glu Asp
113 .65
115 ctg gga gtt tat tac tgc ttt caa ggt tca cat gtt ccg tac acg ttc
                                                                        288
116 Leu Gly Val Tyr Tyr Cys Phe Gln Gly Ser His Val Pro Tyr Thr Phe
                                                              95
117
                                                                        315
119 gga ggg ggg acc aag ctg gaa ata aaa
120 Gly Gly Gly Thr Lys Leu Glu Ile Lys
                100
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125 <211> LENGTH: 105
126 <212> TYPE: PRT
127 <213> ORGANISM: Mus musculus
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Input Set : A:\Seqlist.txt

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131	1				5				-	10					15	-	
	Arg	Ser	Ser	Gln	Ser	Ile	Val	His	Ser	Asn	Glv	Asn	Thr	Tyr	Leu	Glu	
133	J			20				•	25					30			
	Trp	Tvr	Leu		Lvs	Pro	Glv	Gln		Pro	Lvs	Leu	Leu		Tvr	Lvs	
135		-1-	35		-1-		 1	40			-1-		45		-1-	-1-	
	Val	Ser		Ara	Phe	Ser	Glv		Pro	Asp	Ara	Phe		Glv	Ser	Glv	
137	• • • •	50		9			55	• • • •		Пор	3	60	501	01,	501	0-1	
	Ser		Thr	Asp	Phe	Thr		Lvs	Tle	Ser	Ara		Glu	Δla	Glu	Asp	
139						70				501	75				01 u	80	
	Leu	Glv	Val	Tvr	Tvr		Phe	Gln	Glv	Ser		Val	Pro	Tvr	Thr		
141	Lou	011	, • • •	-1-	85	0,0		02	<u>-1</u>	90				-1-	95		
	Gly	Glv	Glv	Thr		Len	Glu	Tle	Lvs	,					,,		
143	01	O±1	011	100	_,	шец	Olu	110	105								
	<210	۱۰ ۹۱	O TI		, ц				103								
	<21						•										
	<212				117								•				
	<213				Homo	n gar	niena	2									
	<220				1101110	Jul	,1011	,									
	<221				CDS												
	<222					(:	2114	١						•			
	<400					(.	, 114	,									
	gat					ma a	aat	maa.	att	tat	tra	asa	tac	aat	cat	tta	48
	Asp																40
158	_	vai	Arg	GIU	5	Giu	Abii	GIU	110	10	Der	тор	Cys	ASII	15	eu	
	ttg	taa	aat	tat	-	cta	220	cta	act		gat	ccc	222	+++		tet	96
	Leu																70
162	шси	тър	Maii	20	цуз	пси	Abii	пси	25	1111	мър	110	цys	30	Oru	DCI	
	gtg	acc	aga		att	tac	aaa	tet		ata	aca	aaa	att		gaa	tat	144
	Val	-	_		_									_	_	_	111
166	val	niu	35	OIU	vai	Cys	Lys	40	1111	2.2.0	****	OLU	45	014	OIU	Cyb	
	gct	gat		cca	att	aaa	aaa		tac	atq	att	tcc		tta	ata	gat	192
	Ala																
170		50	014		141	O _T y	55	017	- 1 -		141	60	- 7 .	шси	• • • •	p	
	cac		aac	aac	atc	act		tat	caq	tat	cac		tac	att	acc	aaq	240
	His	_							-	-		_				_	
174		9	017	11011		70	OIU	-1-		CID	75	0111	-1-			80	
	atg	aca	acc	átc	att		agt	gat	tac	cat		atc	tat	aac	ttc		288
	Met																200
178	1100		riiu	110	85	1110	DCI	пор	- 1 -	90	шси	110	Cyb	O ₁	95	1100	
	gat	aac	tac	222		asc	ato	220	att		222	tat	aac	agt		caa	336
	Asp									-							550
182	чор	дар	Cys	100	Abii	лър	110	ASII	105	шси	шуз	Cys	OLY	110	110	nr g	
	ctt	aaa	C a a		as+	a aa	as+	+ 00		~~+	asa	at a	at =		taa	tta	384
	Leu																204
186	υ σ α	GTA	115	пур	чэр	мта	1112	120	GIII	GIY	GIU	vaı	125	SEI	Cys	шeu	
	~~~	222		at~	at~	222	an a		<b>~~~</b>	<b>a</b> 22	202	C 2 2		220	a++	a a a	432
	gag																434
193	Glu	гла	σтУ	ьeu	val	пла	GIU	Ата	GIU	GIU	Arg	GIU	PLO	гая	тте	GIII	

Input Set : A:\Seqlist.txt

190		130					135					140					
192	gtt	tct	gaa	ctc	tgc	aag	aaa	gcc	att	ctc	cgg	gtg	gct	gag	ctg	tca	480
193	Val	Ser	Glu	Leu	Cys	Lys	Lys	Ala	Ile	Leu	Arg	Val	Ala	Glu	Leu	Ser	
194	145					150					155					160	
196	tcg	gat	gac	ttt	cac.	tta	gac	cgg	cat	tta	tat	ttt	gct	tgc	cga	gat	528
	_		_			Leu	_						_	_	_	_	
198		-	-		165		-	~		170	-			-	175	-	
200	gat	cgg	gag	cgt	ttt	tgt	gaa	aat	aca	caa	gct	ggt	gag	ggc	aga	gtg	576
						Cys											
202	-			180		•			185			-		190			
204	tat	aaq	tqc	ctc	ttt	aac	cat	aaa	ttt	qaa	qaa	tcc	atq	aqt	qaa	aaq	624
						Asn											
206	•	•	195					200					205			-	
208	tat	cqa	qaa	qca	ctt	aca	acc	cqc	caa	aaq	ctq	att	qcc	caq	gat	tat	672
						Thr											
210	<b>.</b>	210					215			-		220			-	_	
212	aaa	qtc	agt	tat	tca	ttg	qcc	aaa	tcc	tqt	aaa	aqt	qac	ttq	aaq	aaa	720
		_	_			Leu	_			_		-	_				
214	_			•		230		• .		•	235		-		•	240	
216	tac	cqq	tqc	aat	ata	gaa	aac	ctt	ccq	cqa	tcq	cqt	qaa	qcc	aqq	ctc	768
			_			Ğlu											
218	-	_	-		245					250		_			255		
220	tcc	tac	ttq	tta	atq	tgc	ctq	qaq	tca	qct	qta	cac	aqa	qqq	cqa	caa	816
						Cys											•
222				260		-	,		265				Ū	270			
224	qtc	aqc	aqt	qaq	tgc	cag	qqq	qaq	atq	ctq	qat	tac	cga	cgc	atq	ttq	864
						Gln											
226			275		-		_	280			-	•	285				
228	atg	gaa	gac	ttt	tct	ctg	agc	cct	gag	atc	atc	cta	agc	tgt	cgg	ggg	912
						Leu											
230		290	_				295					300		-	_	_	
232	gag	att	gaa	cac	cat	tgt	tcc	gga	tta	cat	cga	aaa	ggg	cgg	acc	cta	960
			_			Cys											
234	305					310		_			315	_	_	_		320	
236	cac	tgt	ctg	atg	aaa	gta	gtt	cga	ggg.	gag	aag	ggg	aac	ctt	gga	atg	1008
237	His	Cys	Leu	Met	Lys	Val	Val	Arg	Gly	Glu	Lys	Gly	Asn	Leu	Gly	Met	
238					325					330			•		335		
240	aac	tgc	cag	cag	gcg	ctt	caa	aca	ctg	att	cag	gag	act	gac	cct	ggt	1056
						Leu											
242				340					345					350			
244	gca	gat	tac	cgc	att	gat	cga	gct	ttg	aat	gaa	gct	tgt	gaa	tct	gta	1104
																Val	
246			355			1	_	360					365				
248	atc	cag	aca	gcc	tgc	aaa	cat	ata	aga	tct	gga	gac	cca	atg	atc	ttg	1152
						Lys											
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252	tcq	tqc	ctq	atq	gaa	cat	tta	tac	aca	qaq	aaq	atq	gta	gaa	gac	tgt	1200
	-	_	_	_	_	His					_	_	_		_	_	
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Input Set : A:\Seqlist.txt

	gaa																1248
	Glu	His	Arg	Leu		Glu	Leu	Gln	Tyr		Ile	Ser	Arg	Asp		Lys	
258					405					410					415		1200
	ctg Leu	_		_	_		_	_	_	_			-		_		1296
261	neu	Asp	PIO	420	ьеи	ıyı	Arg	гур	425	GIII	GIY	Аѕр	AIA	430	Arg	ьеu .	
	tgc	cac	acc		aat	taa	aat	gag		agc	gaa	ttt	atσ		caq	gga	1344
	Cys																1011
266	<b>4</b> 12		435		1			440					445			1	
	gct	qtq	ttc	tct	tqt	tta	tac	aqa	cac	qcc	tac	cqc	act	ġag	qaa	caq	1392
	Ăla				_			_		-							
270		450					455					460					
	gga																1440
273	Gly	Arg	Arg	Leu	Ser	Arg	Glu	Cys	Arg	Ala	Glu	Val	Gln	Arg	Ile	Leu	
	465					470					475					480	
	cac																1488
277	His	Gln	Arg	Ala		Asp	Val	Lys	Leu	_	Pro	Ala	Leu			Lys	
278					485					490					495		
	tgc	_		_	_					-	_						1536
	Cys	Leu	Ile	_	Leu	GIY	Lys	Trp	_	Ser	GIu	Lys	Thr		Thr	GLY	
282				500					505					510			1504
	cag																1584
	Gln	ьуѕ	ьеи 515	GIU	Cys	ьeu	GIII	520	HIS	ьeu	Asp	Asp	ьеи 525	vai	vai	GIU	
286	tgt	202		ata	att	aaa	220		a at	a a a	++=	as s		a a a	ast	att	1632
	Cys																1032
290	Cyb	530	тор	110	val	O _T	535	Lea		014	LCu	540	JC1	O_Lu	тър	110	
	caa		gaa	acc.	tta	cta		aga	acc	tat	gag		ata	att	caq	aac	1680
	Gln		_	-	_	_	_	_	-	-					-		
	545					550				•	555					560	
296	ttc	tgc	cac	gat	gtg	gca	gat	aac	cag	ata	gac	tcc	ggg	gac	ctg	atg	1728
297	Phe	Cys	His	Asp	Val	Ala	Asp	Asn	Gln	Ile	Asp	Ser	Gly	Asp	Leu	Met	
298					565					570					575		
	gag				-					-	-	-		_			1776
301	Glu	Cys	Leu	Ile	Gln	Asn	Lys	His	Gln	Lys	Asp	Met	Asn	Glu	Lys	Cys	
302				580					585					590			
	gcc																1824
	Ala	Ile	_	Val	Thr	His	Phe		Leu	Val	Gln	Met		Asp	Phe	Arg	
306			595					600					605				
	ttt																1872
	Phe		Tyr	ьуs	Phe	ьуs		Ala	Cys	ьуs	GIu		Val	Leu	гуѕ	Leu	
310		610					615	~ + ~	~~~	~+~	~+~	620	<b>+</b> ~~	a+ ~	200	200	1000
	tgc Cys																1920
314	_	PIO	ASII	TTE	пур	630	пур	vaı	Asp	vai	635	TIE	Cys	пец	261	640	
	acc	ata	aaa	22 <b>+</b>	asa.		ata	cac	ma a	acc		asa	cac	200	ata		1968
	Thr																1,00
318			9		645				u	650	7 0	<b></b> u		9	655		•
	ctg	aaq	tac	cac		caq	ctc	cat	ata		qaq	cta	qaq	atσ		gag	2016
	3			- 3 -		3		- 3 -	ن - د	ت∼ د			و۔ ر	3	3	د د	

VERIFICATION SUMMARY

DATE: 10/20/2004

PATENT APPLICATION: US/10/764,730

TIME: 16:45:50

Input Set : A:\Seqlist.txt

Output Set: N:\CRF4\10202004\J764730.raw

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